

# Quanhui Hou

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Improvement of the hydrogen storage characteristics of MgH <sub>2</sub> with a flake Ni nano-catalyst composite. Dalton Transactions, 2021, 50, 1797-1807.	3.3	48
2	Review on Hydrogen Storage Performance of MgH <sub>2</sub> : Development and Trends. ChemistrySelect, 2021, 6, 1589-1606.	1.5	44
3	Improvement of hydrogen storage performance of MgH <sub>2</sub> by MnMoO <sub>4</sub> rod composite catalyst. Solid State Sciences, 2021, 121, 106750.	3.2	25
4	Achieve high-efficiency hydrogen storage of MgH <sub>2</sub> catalyzed by nanosheets CoMoO <sub>4</sub> and rGO. Journal of Alloys and Compounds, 2022, 911, 165153.	5.5	25
5	Synthesis of low-cost biomass charcoal-based Ni nanocatalyst and evaluation of their kinetic enhancement of MgH <sub>2</sub> . International Journal of Hydrogen Energy, 2022, 47, 15209-15223.	7.1	20
6	Improvement of MgH <sub>2</sub> -Based Hydrogen Storage Materials by Metal Catalysts: Review and Summary. ChemistrySelect, 2021, 6, 8809-8829.	1.5	18
7	Improved MgH <sub>2</sub> kinetics and cyclic stability by fibrous spherical NiMoO <sub>4</sub> and rGO. Journal of the Taiwan Institute of Chemical Engineers, 2022, 134, 104311.	5.3	12
8	Catalytic effect of NiO/C derived from Ni-UMOFNs on the hydrogen storage performance of magnesium hydride. Journal of Alloys and Compounds, 2022, 899, 163314.	5.5	11
9	Modified MgH <sub>2</sub> Hydrogen Storage Properties Based on Grapefruit Peel-Derived Biochar. Catalysts, 2022, 12, 517.	3.5	5